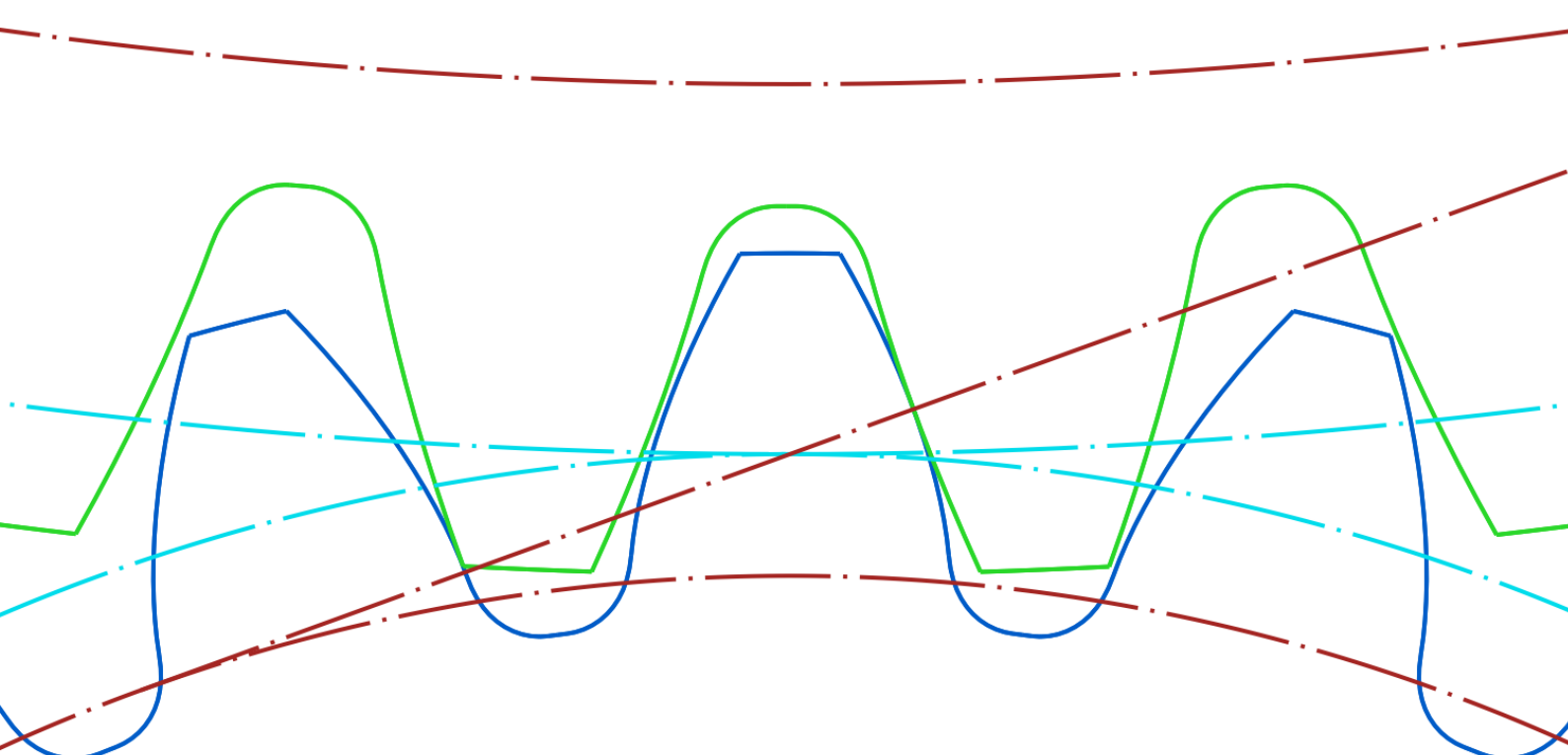


# KISSsoft Live Stream Training

Basic: Gear Calculation

October 4-5, 2023



The below schedule is shown in time zone CET 2:00 pm – 6:00 pm (Brussels)

**Session 1:**            **October 4, 2023**

2:00 – 2:10 pm        Welcome  
2:10 – 3:50 pm        Introduction KISSsoft, Gear Calculation  
3:50 – 4:10 pm        Break  
4:10 – 5:40 pm        Introduction KISSsoft Gear Calculation  
5:40 – 6:00 pm        Introduction Exercises

**Exercises**            **Exercise 1 and 2**

**Session 2:**            **October 5, 2023**

2:00 – 2:20 pm        Follow up Exercises  
2:20 – 3:50 pm        Introduction KISSsoft Gear Calculation  
3:50 – 4:10 pm        Break  
4:10 – 5:40 pm        Introduction KISSsoft Gear Calculation  
5:40 – 6:00 pm        Discussion Exercises

**Exercises**            **Exercises 3, 4 and 5**

## General Scope of the Program

- General settings
- Maintenance of technology data base (materials, bearings etc.)
- Settings and adaptations for reports
- Possibilities of project administration
- Generation and application of calculation templates

## Helical Gear Calculation (Gear Pair)

- Main data input fields (basic data)
- Reference profile, definition and meaning
- Influence of the profile shift
- Definition of High tooth form
- Definition of tolerances, tooth thickness and back lash
- Possibilities to control the correct inputs
- Dealing with incomplete information
- Pre-sizing of new gears (Rough sizing)
- Optimization of gear pair using different criteria such as noise, vibration or strength (Fine sizing)
- Sizing of tip relief
- Evaluation of profile modifications and modified tooth forms
- Operation with graphics
- Special features of planetary stages and racks
- Manufacturing data for drawings

